

CLAIMS WITH AMENDMENTS MARKED

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WE CLAIM:

1. (Once amended) Inbred corn seed of the line designated G2801, representative seed of said line have been deposited in the ATCC under accession number X.
2. A corn plant produced by the seed of Claim 1.
3. (once amended) A tissue culture of regenerable cells from the plant of G2801 of Claim 2.
4. (twice amended) A tissue culture of regenerable cells according to Claim 3, [the cells or protoplasts of] wherein the tissue culture is prepared from a tissue the tissue selected from the group consisting of: leaves, pollen, embryos, roots, root tips, meristem, ovule, anthers, silk, flowers, kernels, ears, cobs, husks and stalks.
5. (once amended) A corn plant capable of expressing all of the physiological and morphological characteristics of the inbred line designated G2801 regenerated from the cells of the tissue culture of Claim 3.
6. (once amended) Hybrid seed produced by the method comprising the following steps:
 - (a) planting, in pollinating proximity, seeds of corn inbred line G2801, representative seed of said line which have been deposited in the ATCC under accession number X, and another inbred line, one of said inbred lines not releasing pollen;
 - (b) cultivating corn plants resulting from said planting;
 - (c) allowing cross pollination to occur between said inbred lines; and
 - (d) harvesting seeds produced on the non-pollen releasing inbred.
7. (once amended) Corn [Maize] seed produced by the method comprising the steps of: crossing a corn plant comprising at least one ancestor being the inbred plant in Claim 2, with a plant of another corn [maize] line, and harvesting corn [maize] seed therefrom.

8. (once amended) Corn plants grown from corn [maize] seed of Claim 7.

9. (once amended) A [first generation (F1)] hybrid corn plant having at least one parent, one of said parent of the plant produced by [using] the seed of the line designated G2801, representative seed of said line, which have been deposited in the ATCC under accession number X, the process comprising the steps of:

- (a) planting, in pollinating proximity, seeds of corn inbred line[s] G2801 and another inbred line;
- (b) cultivating corn plants resulting from said planting;
- (c) allowing pollination to occur between said inbred lines wherein at least one of said inbred lines does not [provide]release pollen during pollination said non pollen releasing [producing] inbred line being the seed producing plants;
- (d) harvesting seeds produced on the seed producing plants of the inbred line; and
- (e) growing a harvested seed of step (d)

10. (Once Amended) A tissue culture of the regenerable cells [of] from the corn plant of Claim 8.

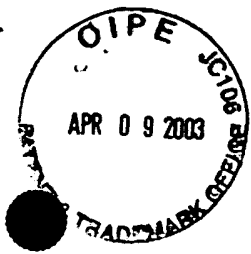
11.(once Amended) A tissue culture of the regenerable cells [of] from the corn plant of Claim 9.

12. (once amended) The plant according to Claim 5, comprising, in the plant at least one transgene.

13. (once amended) The seed according to Claim 1, comprising, at least one transgene.

14. (once amended) Hybrid seed comprising: at least one, transgene capable of being identified, said seed produced by hybrid combination of plants derived from inbred corn seed of the line designated G2801 in Claim 13 and plants of another corn line at least one of said lines comprising at least one transgene.

15. (Twice amended) The plant according to Claim 2 crossed to another plant having a mutant gene, to form a resultant plant, said resultant plant comprising: in the plant at least one mutant gene said mutant gene being a mutant gene relative to the genes in the plants resulting from growing the representative seed deposited in claim 1.
16. (once amended) The seed according to Claim 1, crossed to another plant having a mutant gene, to form a resultant plant, said resultant plant comprising: at least one mutant gene said mutant gene being a mutant gene relative to the genes in the plants resulting from growing the representative seed deposited in claim 1.
17. (twice amended) Hybrid seed comprising at least one mutant gene said seed produced by hybrid combination of plants derived from inbred corn seed of the line designated G2801 in Claim 16 and plants of another corn line at least one of said lines comprising at least one mutant gene.
18. (Twice amended) A method of identifying the seed according to claim 1, the steps of said method comprising: planting hybrid seed comprising as a parent the corn plant according to claim 2, selecting plants from the planting that appear less robust than the other plants, growing said selected plants; self-pollinating the selected plants; harvesting the seed therefrom, and; identifying the seed as inbred seed.
19. (Once amended) The method of claim 18 further comprising: the additional step of screening plant material derived from the selected plants or the harvested seed with [biological] biotechnology techniques wherein identifying with genotyping that the seed [as] is an inbred seed.
20. (newly added claim) The pollen of the corn plant of claim 2.



CERTIFICATE OF MAILING UNDER 37 C.F.R. 1.8

I hereby certify that the foregoing 12 page Amendment with both an unmarked and marked set of claims and postcard are being mailed first class through the United States Postal service with first class postage to the Assistant Commissioner of Patents and Trademarks, Washington, DC 20231, on April 2, 2003.

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